# Document made available under the Patent Cooperation Treaty (PCT)

International application number: PCT/IL05/000357

International filing date: 30 March 2005 (30.03.2005)

Document type: Certified copy of priority document

Document details: Country/Office: US

Number: 60/562,750

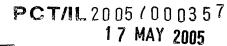
Filing date: 15 April 2004 (15.04.2004)

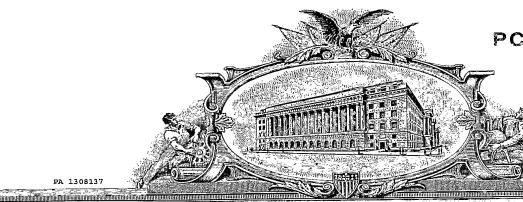
Date of receipt at the International Bureau: 31 May 2005 (31.05.2005)

Remark: Priority document submitted or transmitted to the International Bureau in

compliance with Rule 17.1(a) or (b)







# WIOR ON THE BOUND STRABBOOK OF WORKS (CA)

TO AND TO WHOM THUSSE PRESERVES SHAVE COMES

UNITED STATES DEPARTMENT OF COMMERCE

**United States Patent and Trademark Office** 

**April 18, 2005** 

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 60/562,750

FILING DATE: April 15, 2004

By Authority of the

COMMISSIONER OF PATENTS AND TRADEMARKS

T. LAWRENCE

**Certifying Officer** 

Approved for use through 10/31/2002. QMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c). INVENTOR(S) Residence Given Name (first and middle [if any]) Family Name or Surname (City and either State or Foreign Country **AUERBACH** 52 Saifun Street Micha Maccabim Israel Additional inventors are being named on the \_1\_\_separately numbered sheets attached hereto. TITLE OF THE INVENTION (280 characters max) SAFEGLOW - WIRELESS MONITORING SYSTEM FOR FLUID TANKERS CORRESPONDENCE ADDRESS Direct all correspondence to: Place Customer Number **Customer Number** Bar Code Label here OR Type Customer Number here Firm or ABELMAN, FRAYNE & SCHWAB X Individual Name Attorneys at Law 150 East 42<sup>nd</sup> Street Address Address New York, New York 10017 City State Zip U.S.A (212) 949-9022 (212) 949-9190 Telephone Fax Country ENCLOSED APPLICATION PARTS (check all that apply) Х Specification Number of Pages CD(s), Number Number of sheets Drawing(s) 6 Other (specify) Application Data Sheet. See 37 CFR 1.76 METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT (check one) X Applicant claims small entity status. See 37 CFR 1.27. **FILING FEE** A check or money order is enclosed to cover the filing fees AMOUNT (\$) The Commissioner is hereby authorized to charge filing fees 01-0035 X or credit any overpayment to Deposit Account Number: \$80.00 Payment by credit card. Form PTO-2038 is attached. The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government. Yes, the name of the U.S. Government agency and the Government contract number are: April 15, 2004 Date Respectfully subm nemor SIGNATURE REGISTRATION NO. 24,156 Jay S. Cinamon TYPED or PRINTED NAM (if appropriate) 206,505 TELEPHONE **Docket Number:** 

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CF to complete, including gathering, preparing, and submitting the complete provision depending upon the individual case. Any comments on the amount of time you reducing this burden, should be sent to the Chief Information Officer, U.S. Pater Commerce, Washington, D.C., 20231. DO NOT SEND FEES OR COMPLETEL Provisional Application, Assistant Commissioner for Patents, Washington, D.C., Post Office to Addressee" service under 37 CFR § 1

"EXPRESS MAIL" Label No.: ET537590128US Date of Deposited :April 15, 2004 This correspondence is being Deposited with the United States. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

# PROVISIONAL APPLICATION COVER SHEET Additional Page

PTO/SB/16 (8-00)

Approved for use through 10/31/2002. OMB 0651- 0032

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	Docket Number	Type a plus sign (+) inside this box → +
	INVENTOR(S) APPLICAL	NT(S)
Given Name (first and middle (if any) Alon	Family or Surname ZELZION	Residence (City and either State or Foreign Country)  24 Hatchya Street Holon Israel
Eli	GOLON	30 Kehilat-Bavel Street Ramat-Hasharon Israel
Ronny	COHEN	7 Hadolev Street Zoran Israel
Reuven	ILYAEV	63 Bossem Street Tel-Aviv Israel
Arkady	GENIN	56 Hanevim Street Bat-Yam Israel

Number \_\_\_2\_ of \_\_2\_\_

Hi-G-Tek Ltd. Microelectronics & Asset Tracking Technology 16 Hacharoshet Street Or-Yehuda 60375 Israel higtek@higtek.com

tel > 972.3.5339359 fax > 972.3.5339225 www.higtek.com



April 14, 2004

# SafeFlow - Wireless monitoring system for fluid tankers

## 1. General

The SafeFlow system allows real time monitoring and control of all activities associated with the operation of fluid tankers. The system includes electro-locking devices on all tankers valves and hatches as well as monitoring tracking reader with GPS location indication and long range communication modern. The unique e-locks attached to the valves and hatches on the tanker are long lasting battery operated devices that can be monitored wirelessly from remote control centers. They are designed in specific to withstand sever environmental conditions of fluid tankers on the road.

Fuel management and tracking system controls the path of fluid tanker between the tanker's dispatch area and the downloading station. The system contains E-Locks and Barrier Seals, which are mounted on the handles of the draining valves and the filling hatches, DataReader to control the E-Locks and GPS/GPRS unit, which reports E-Locks status and tanker location to a control center. Visual indication (screens) of E-Locks status is an optional feature and can be placed either on tanker cabin or in the loading or downloading stations.

In addition to the existing AVL solutions for the Tankers themselves, the unique solution allows with relatively very low installation costs to protect all fluid tanker's valves and hatches and to provide full real time control from remote centers.

# 2. System components

- 2.1 Barrier E-Lock: Protects the valve handle and the filling hatch, senses any movement, open/close or attachment/detachment.
- 2.2 Tracking DataReader: Installed in driver cabin, controls all E-Locks on the truck.
- 2.3 GPS; GPRS or CDMA1x or TDMA unit: Indicates truck location and communicates to a control center.
- 2.4 Center Base station: receives/sends data and commands from truck via the GPRS or any kind of modern.
- 2.5 Microreader and Hand Held Terminal: optional, sets the E-Locks from short range in the station environment.

See Fig. 1 for all system components.

SEST AVAILABLE COPY

NO.885 D02

#### UNITED STATES

#### ASSIGNMENT FROM INVENTOR

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned Assignor:

Micha AUERBACH – 52 Saifun Street, Maccabim, Israel Alon ZELZION – 24 Hatchya Street, Holon, Israel Eli GOLON – 30 Kehilat-Bavel Street, Ramat-Hasharon, Israel Ronny COHEN – 7 Hadolev Street, Zoran, Israel Reuvan ILYAEV – 63 Bossom Street, Tel-Aviv, Israel Arkady GENIN – 56 Hanevin Street, Bat-Yam, Israel

hereby sells, assigns and transfers to Assignee:

HI-G-TEK LTD. 16 Hacharoshet Street Or-Yehuda 60375

its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to, and any and all improvements which are disclosed in

6	a) Provisional Patent A	plication for Letters Patent Serial No.	filed	April 15, 2004
٧	a) I I O VISIONAL I ACCILL A	phoanon for Letters I atent beriar No.	IIIeu	ADIJI 13, 2004

(b) Application for Letters Patent which has been executed by the undersigned concurrently herewith

## and entitled

## SAFEGLOW – WIRELESS MONITORING SYSTEM FOR FLUID TANKERS

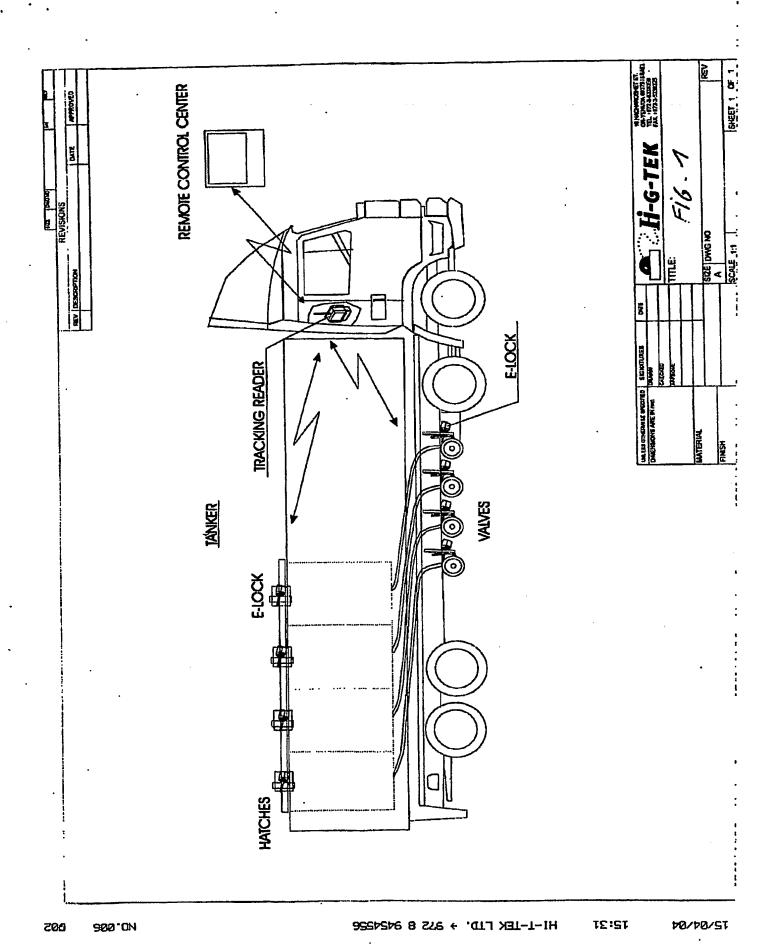
and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements.

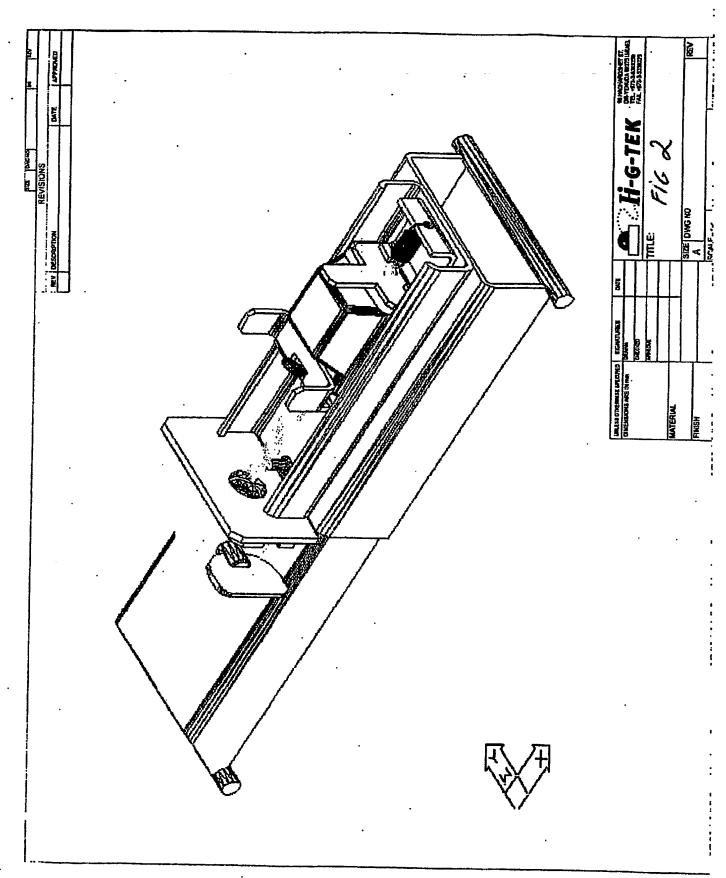
The Assignee may apply for and receive the Letters Patent in its own name. When requested by the Assignee or its successors, the undersigned will execute all other patent applications; proper oaths, assignments; powers of attorney, or other papers and communicate all facts known to it relating to the improvements and the history thereof; and generally do everything possible which the Assignee or its successors shall consider desirable for aiding in securing and maintaining proper patent protection for the improvements and for vesting title in the Assignee or its successors.

Assignor warrants that he/she has the full right to convey the rights and property described herein and no assignment, grant, mortgage or license or other agreement affecting such rights and property has been made to others by the undersigned.

		ASSIGNOR		
Dated:	2004	ByMicha AUERBACH		
Dated:	2004	ByAlon ZELZION		
Dated:	2004	ByEli GOLAN		
Dated:	2004	ByRonny COHEN		

Dated:	2004	Ву
		Reuven ILYAEV
Dated:	2004	Ву
		Arkady GENIN
personally present purposes set forth	and did see the above-name	The undersigned declares that he/she wa d individual execute this Assignment of his/her own free will for
purposes set forti	norom.	Ву
		Name
		Address
ABELMAN, FRAYNE 150 East 42 <sup>nd</sup> Street	& SCHWAB	
New York, New York	10017 5610	



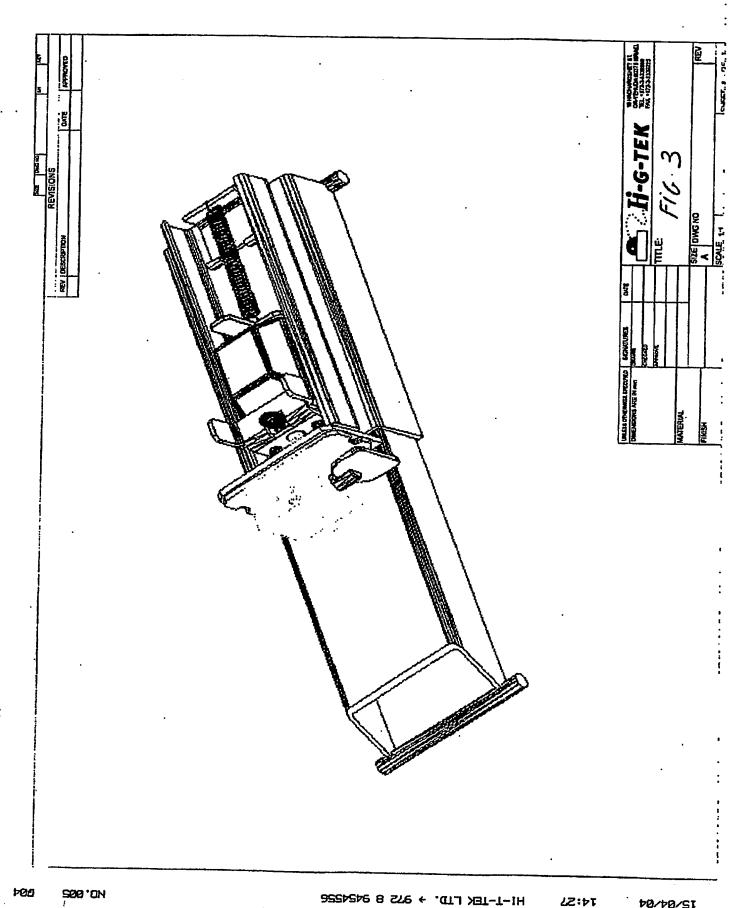


200 C03

HI-T-TEK LTD. + 972 8 9454556

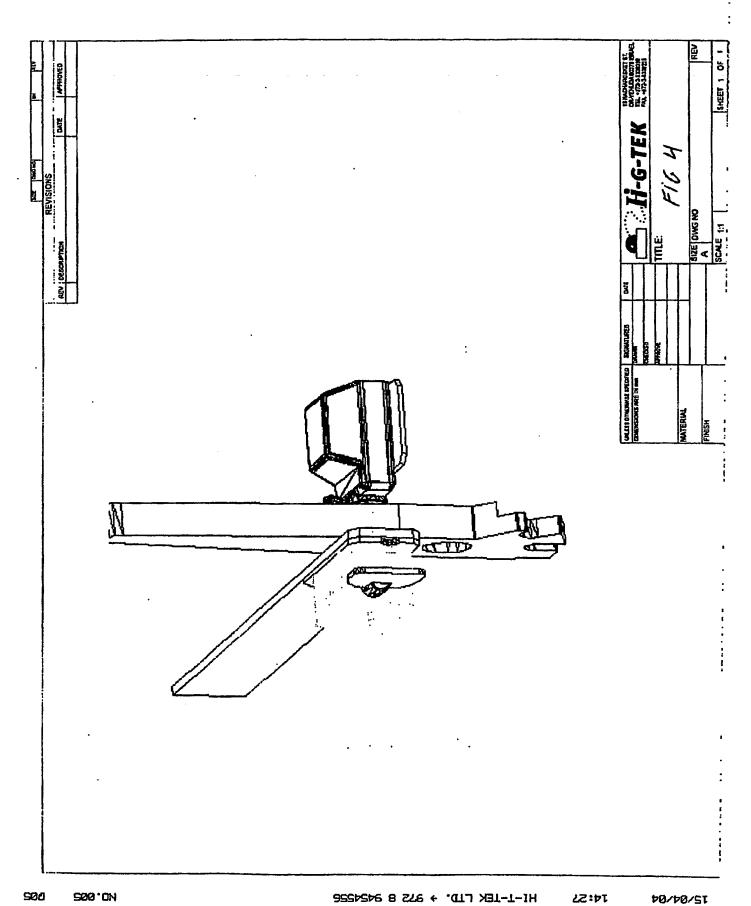
14:55

12/04/04



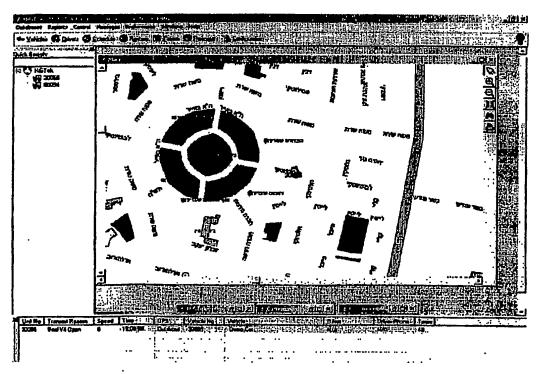
Copy provided by USPTO from the IFW Image Database on 04/13/2005

12/04/04



Copy provided by USPTO from the IFW Image Database on 04/13/2005

Court.					
1997-2	Transaction of the last of the	AND AND THE SERVICE OF THE SERVICE O	CONTRACTOR CONTRACTOR CONTRACTOR		
ET (A KG) CAL - (A) 30006 - (A) 30004	INCOME DE LA CONTRACTOR	A CONTRACTOR OF THE PROPERTY O			Accident   SET:
	SAMPAGNANCE SAMPAG				COINCE FAMIL FAMIL FORMER
					A2C - 2110
		1 0(p. 8st 2 0(b. Cores	10002904 13:07:00	COSTA STATES	·
	Gent   Frank   Frank   Frank	3 CO. Class	100441000 12:27:00	E40 .	
	in the second	Na Prosection 12 Car Children		Waters   Times	



F16-6

789 289.0N

HI-T-TEK LTD. → 972 8 9454556

14:54

12/04/04